Re: JP-Patent Appln. 2006-549972: ***Cited Reference 3***

LIGHT ROLLING REDUCTION METHOD IN CONTINUOUS CASTING MACHINE

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Inventor(s): KAMITSUMA TADASHI; SUZUKI MASAMICHI; NISHIMINE TAMOTSU +
Applicant(s): SUMITOMO METAL IND +
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Abstract of **JP 1271047 (A)**

PURPOSE:To save the equipment cost and to improve the quality of a cast slab by arranging roll pair for executing rolling reduction under holding the cast slab at downstream side of a mold and also means for measuring roll interval and executing the rolling reduction at crater end part based on the measured result. CONSTITUTION:At the downstream side of the mold 1 for continuous casting machine, plural number of the rolling reduction roll pairs 2a, 2b, 3a, 3b, 4a, 4b for holding the cast slab A from both sides are arranged to drawing direction, respectively. Then, a part of the rolling reduction rolls 2b, 4a, 4b are made to adjustable to roll intervals with oil hydraulic cylinders. Further, in each rolling reduction roll, measuring instruments 5a, 5b, 5c for roll intervals are fitted. Each of displacements of the measuring instruments 5a, 5b, 5c is measured and position of the crater end part is assumed based on these measured values and the rolling reduction control of the roll pairs 2a, 2b, 3a, 3b, 4a, 4b are executed. By simplifying the device mechanism, the rolling reduction device cost is saved and by preventing the defect the quantity of the cast slab is improved.